

Ship JAN 23 2017

Work Order ID 154661

154661

Page 1

Friday, December 16, 2016 9:04:09 AM

Item ID: 647.7308 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)
Start Date: 1/3/2017 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 1/20/2017 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: [Signature] Date: 16-12-16 Tooling: Date: Run Start *NR1*
QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
MPP-195	N/C								

100 Document Control 0.00
100 DOCUMENT CONTROL
DC Memo 0.00
Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP MPP-195 (647.7308)

110 Pick Kit 0.00
110
Packaging Memo 0.00
Packaging

120 QC4- 100% Inspect kits for completeness 0.00
120
QC Memo 0.00
Quality Control

DAS 27 9-89 JAN 23 2017
DAS 6 9-89
DAS 28 9-89
DAS 27 9-89
JAN 23 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 16.6%;">Skid-tube ☐</td> <td style="width: 16.6%;">Cross tube ☐</td> <td style="width: 16.6%;">Water Jet ☐</td> <td style="width: 16.6%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																				
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																				
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																				
Large Fab ☐	Composite ☐	Supplier ☐																																																																					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																																
Description Work Order Deviation				Disposition																																																																			
Root Cause <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Environment ☐</td> <td style="width: 50%;">No Re-verification ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> </tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	FAULT CATEGORY <table style="width: 100%; border: none;"> <tr> <td style="width: 33.3%;">Pressure/Forced ☐</td> <td style="width: 33.3%;">Temperature/Cure ☐</td> <td style="width: 33.3%;">Power Loss/Surge ☐</td> <td style="width: 33.3%;">Positioned Wrong ☐</td> </tr> <tr> <td>Bending ☐</td> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>Centre Not Concentric ☐</td> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Cracks ☐</td> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave ☐</td> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Cuffs ☐</td> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Crushing ☐</td> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Heat Treat ☐</td> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>Wave/Twist in Tube ☐</td> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Marks/Chatter ☐</td> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> </table>						Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Environment ☐	No Re-verification ☐																																																																						
Design ☐	Operator ☐																																																																						
Doc/Data ☐	Offset/Setup ☐																																																																						
Equip/Tooling ☐	Supplier ☐																																																																						
Handling/Pre ☐	Training ☐																																																																						
Material ☐	Use for Testing ☐																																																																						
Internal Transport ☐	Poor Information ☐																																																																						
Tribal Knowledge ☐	Rushing ☐																																																																						
LOA ☐	Product Improvement ☐																																																																						
Substation ☐	Process Improvement ☐																																																																						
Past Expiry Date ☐	Manufacturing Process ☐																																																																						
Misidentified ☐	Past Due ☐																																																																						
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																				
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																				
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																				
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																				
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																				
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																				
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																				
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																				
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																				
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																				
		OTHER : ☐																																																																					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
35 35 35			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause			FAULT CATEGORY		
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:14 AM

Page 1

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 16.12.12 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.7501 *647 7501* Lower Cutter Assembly		Manufactured	No				Each	0.0000	**	153327		JAN 13 2017	DAS 28 9-89
647.7702 *647 7702* Strut Assembly		Manufactured	No				Each	1.0000	**	1x/3 147297		JAN 05 2017	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK076	153192			1					
647.7701 *647 7701* Strut Assembly		Manufactured	No				Each	6.0000	**	155191		JAN 16 2017	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK114	153625			6					
647.0112 *647 0112* Strut Bracket		Manufactured	No				Each	53.0000	**			JAN 05 2017	DAS 28 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				CCK107				37					
				150114				12					
				150895				15					
				151894				10					
				CCK108A				16					
				153461				16					

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 2

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

601.3011

Manufactured No

f

60.1000

601 3011

P-Seal

**

1.4

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK095

50

91709

50

CCK099

10.1

M130388

10.1

1.4

CUT TO 16.00"

MS21266-2N

Purchased

No

Each

44.0000

MS21266-2N

Grommet

**

1

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

ST294

44

123900

40

M130388

4

AN44-12A

Purchased

No

Each

10.0000

AN44-12A

Eyebolt

**

2

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

ST339

10

124263

10

AN665-34R

Purchased

No

Each

80.0000

AN665-34R

Clevis

**

4

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

over008

47

153852

47

ST330

33

M135948

7

M136182

26

4

Friday, December 16, 2016 9:04:15 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 3

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No

Each 676.0000

AN3-11A

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

664

153855

564

m136192

100

ST349

12

m135767

12

**

DAS
6
9-89
JAN 05 2017
DAS
28
9-89

AN4C7A Purchased No

Each 132.0000

AN4C7A

BOLT

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER002

124

m135864

70

m136295

54

ST345

8

m135470

8

**

DAS
6
9-89
JAN 05 2017
DAS
28
9-89

NAS6603-12 Purchased No

Each 143.0000

NAS6603-12

Bolt

DAS
27
9-89

Location

Loc Qty

Loc Code

st552

143

123900

108

m136301

35

**

DAS
6
9-89
JAN 05 2017
DAS
28
9-89

Friday, December 16, 2016 9:04:15 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 4

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

NAS6603-16

Purchased

No

Each

92.0000

NAS6603-16

Bolt

**

DAS
6
9-89

JAN 05 2017

Location

Loc Qty

Loc Code

st552

92

153860

39

m128199

3

m133523

50

MS21042-08

MS21042L08

Purchased

No

Each

0.0000

MS21042-08

USE MS21042L08

**

DAS
6
9-89

JAN 05 2017

MS21042-3

MS21042L3

Purchased

No

Each

0.0000

MS21042-3

Nut

**

DAS
6
9-89

JAN 05 2017

MS21042L4

Purchased

No

Each

2,510.000

MS21042L4

Nut

**

DAS
6
9-89

JAN 05 2017

Location

Loc Qty

Loc Code

FP001

18

m133363

18

GA

192

m135058

192

OVER007

1500

m136182

500

m136295

1000

ST303

800

m135864

300

m135979

500

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 5

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

AN316C4R

Purchased

No

Each

85.0000

AN316C4R

Nut, Jam

**

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST331

85

153850

50

m135840

1

m136192

34

Each

467.0000

MS27039-08-13

Purchased

No

MS27039-08-13

Screw

**

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

325

153849

325

ST278

142

124326

42

m136199

100

Each

2,067.000

NAS1149FN832P

Purchased

No

NAS1149FN832P

Washer

**

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

449

M135058

449

ST260a

1500

M136182

1500

ST263

118

M135058

118

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

1,318.000

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

343

m133709

343

ST262

975

m135948

975

Each

1,773.000

NAS1149C0432R

Purchased

No

NAS1149C0432R

WASHER

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

373

m134676

373

ST260a

1000

m136182

1000

ST266

400

m135979

400

Each

1,627.000

NAS1149F0532P

Purchased

No

NAS1149F0532P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260a

600

m133725

600

ST262

1027

18057

1027

8

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

8
12

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

12
2

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 7

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

600.1012 Purchased No

Each 14.0000

600 1012

Sealant PR1425B2 (#654 sem)

**

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck017

14

m135840

4

m136192

10

601.2045 Purchased No

Each 14.0000

601 2045

RTV (LOCTITE 598)

**

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK096

6

m136171

6

GA

8

m134260

8

MS27039-08-19 Purchased No

Each 232.0000

MS27039-08-19

Screw

**

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

164

m135948

164

ST277

68

m136042

1

m136199

17

m136301

50

Friday, December 16, 2016 9:04:15 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																						
Large Fab ☐	Composite ☐	Supplier ☐																																																																							
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																																		
Description Work Order Deviation				Disposition				Completed By																																																																	
Root Cause				FAULT CATEGORY																																																																					
<table style="width:100%; border: none;"> <tr><td style="border: none;">Environment ☐</td><td style="border: none;">No Re-verification ☐</td></tr> <tr><td style="border: none;">Design ☐</td><td style="border: none;">Operator ☐</td></tr> <tr><td style="border: none;">Doc/Data ☐</td><td style="border: none;">Offset/Setup ☐</td></tr> <tr><td style="border: none;">Equip/Tooling ☐</td><td style="border: none;">Supplier ☐</td></tr> <tr><td style="border: none;">Handling/Pre ☐</td><td style="border: none;">Training ☐</td></tr> <tr><td style="border: none;">Material ☐</td><td style="border: none;">Use for Testing ☐</td></tr> <tr><td style="border: none;">Internal Transport ☐</td><td style="border: none;">Poor Information ☐</td></tr> <tr><td style="border: none;">Tribal Knowledge ☐</td><td style="border: none;">Rushing ☐</td></tr> <tr><td style="border: none;">LOA ☐</td><td style="border: none;">Product Improvement ☐</td></tr> <tr><td style="border: none;">Substation ☐</td><td style="border: none;">Process Improvement ☐</td></tr> <tr><td style="border: none;">Past Expiry Date ☐</td><td style="border: none;">Manufacturing Process ☐</td></tr> <tr><td style="border: none;">Misidentified ☐</td><td style="border: none;">Past Due ☐</td></tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	<table style="width:100%; border: none;"> <tr><td style="border: none;">Pressure/Forced ☐</td></tr> <tr><td style="border: none;">Bending ☐</td></tr> <tr><td style="border: none;">Centre Not Concentric ☐</td></tr> <tr><td style="border: none;">Cracks ☐</td></tr> <tr><td style="border: none;">Crimp/Kink/Ripple/Wave ☐</td></tr> <tr><td style="border: none;">Cuffs ☐</td></tr> <tr><td style="border: none;">Crushing ☐</td></tr> <tr><td style="border: none;">Heat Treat ☐</td></tr> <tr><td style="border: none;">Wave/Twist in Tube ☐</td></tr> <tr><td style="border: none;">Marks/Chatter ☐</td></tr> </table>		Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	<table style="width:100%; border: none;"> <tr><td style="border: none;">Temperature/Cure ☐</td></tr> <tr><td style="border: none;">Set-up ☐</td></tr> <tr><td style="border: none;">BOM/Route ☐</td></tr> <tr><td style="border: none;">Broken/Damage/Defect ☐</td></tr> <tr><td style="border: none;">Inspection Incomplete/Unqualified ☐</td></tr> <tr><td style="border: none;">Contamination ☐</td></tr> <tr><td style="border: none;">Countersink ☐</td></tr> <tr><td style="border: none;">Cut Too Short ☐</td></tr> <tr><td style="border: none;">Instructions Incomplete/Unclear ☐</td></tr> <tr><td style="border: none;">Drill Holes ☐</td></tr> </table>		Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	<table style="width:100%; border: none;"> <tr><td style="border: none;">Power Loss/Surge ☐</td></tr> <tr><td style="border: none;">Folio/Program ☐</td></tr> <tr><td style="border: none;">Grain ☐</td></tr> <tr><td style="border: none;">Weld ☐</td></tr> <tr><td style="border: none;">Wrong Stock Pulled ☐</td></tr> <tr><td style="border: none;">Out of Sequence ☐</td></tr> <tr><td style="border: none;">Off-set ☐</td></tr> <tr><td style="border: none;">Mislabeled ☐</td></tr> <tr><td style="border: none;">Fit/Function ☐</td></tr> <tr><td style="border: none;">Misaligned/off center ☐</td></tr> </table>		Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	<table style="width:100%; border: none;"> <tr><td style="border: none;">Positioned Wrong ☐</td></tr> <tr><td style="border: none;">Outside Dimensions ☐</td></tr> <tr><td style="border: none;">Over/Under tolerance ☐</td></tr> <tr><td style="border: none;">Part Incorrect ☐</td></tr> <tr><td style="border: none;">Part Lost/Missing ☐</td></tr> <tr><td style="border: none;">Part Moved ☐</td></tr> <tr><td style="border: none;">Drawing ☐</td></tr> <tr><td style="border: none;">Finish ☐</td></tr> <tr><td style="border: none;">Misread ☐</td></tr> <tr><td style="border: none;">Turning Sequence ☐</td></tr> </table>		Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
Environment ☐	No Re-verification ☐																																																																								
Design ☐	Operator ☐																																																																								
Doc/Data ☐	Offset/Setup ☐																																																																								
Equip/Tooling ☐	Supplier ☐																																																																								
Handling/Pre ☐	Training ☐																																																																								
Material ☐	Use for Testing ☐																																																																								
Internal Transport ☐	Poor Information ☐																																																																								
Tribal Knowledge ☐	Rushing ☐																																																																								
LOA ☐	Product Improvement ☐																																																																								
Substation ☐	Process Improvement ☐																																																																								
Past Expiry Date ☐	Manufacturing Process ☐																																																																								
Misidentified ☐	Past Due ☐																																																																								
Pressure/Forced ☐																																																																									
Bending ☐																																																																									
Centre Not Concentric ☐																																																																									
Cracks ☐																																																																									
Crimp/Kink/Ripple/Wave ☐																																																																									
Cuffs ☐																																																																									
Crushing ☐																																																																									
Heat Treat ☐																																																																									
Wave/Twist in Tube ☐																																																																									
Marks/Chatter ☐																																																																									
Temperature/Cure ☐																																																																									
Set-up ☐																																																																									
BOM/Route ☐																																																																									
Broken/Damage/Defect ☐																																																																									
Inspection Incomplete/Unqualified ☐																																																																									
Contamination ☐																																																																									
Countersink ☐																																																																									
Cut Too Short ☐																																																																									
Instructions Incomplete/Unclear ☐																																																																									
Drill Holes ☐																																																																									
Power Loss/Surge ☐																																																																									
Folio/Program ☐																																																																									
Grain ☐																																																																									
Weld ☐																																																																									
Wrong Stock Pulled ☐																																																																									
Out of Sequence ☐																																																																									
Off-set ☐																																																																									
Mislabeled ☐																																																																									
Fit/Function ☐																																																																									
Misaligned/off center ☐																																																																									
Positioned Wrong ☐																																																																									
Outside Dimensions ☐																																																																									
Over/Under tolerance ☐																																																																									
Part Incorrect ☐																																																																									
Part Lost/Missing ☐																																																																									
Part Moved ☐																																																																									
Drawing ☐																																																																									
Finish ☐																																																																									
Misread ☐																																																																									
Turning Sequence ☐																																																																									
		OTHER : _____																																																																							

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 8

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L08

Purchased

No

Each

845.0000

MS21042L08

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

528

m135274

28

m135978

500

ST303

317

m136199

117

m136301

200

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

647.1702

Manufactured

No

Each

0.0000

647 1702

Skid Deflector Assembly

27

LN9025-0820K

9-89

LN9025-0820K

Lock Tab Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

40

M136260

20

M136261

20

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

LN9037-08018

Purchased

No

Each

32.0000

LN9037-08018

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST564

32

m136189

32

DAS
6
9-89

JAN 05 2017

DAS
28
9-89

Friday, December 16, 2016 9:04:15 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																												
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																												
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																												
Large Fab ☐	Composite ☐	Supplier ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By																																																							
								Lead hand / Supervisor Approval Verification																																																							
								QC / QA Coordinator Approval																																																							
Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
OTHER :																																																															

Picklist Print

Friday, December 16, 2016 9:04:15 AM

Page 9

Work Order ID: 154661

154661

Parent Item: 647.7308

647 7308

Parent Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017

Required Date: 1/20/2017

Start Qty: 1.00

Required Qty: 1.00

93635A212

Purchased No

Each 22.0000

93635A212

Bolt

**

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

Location

Loc Qty

Loc Code

ST558 588
m134700

22

22

Each 13.0000

**

DAS
6
9-89

JAN 05 2017
DAS
28
9-89

Location

Loc Qty

Loc Code

cck101 153184

13

13

Each 0.0000

**

JAN 19 2017
DAS
28
9-89

647.1405

Manufactured No

Each 0.0000

647 1405

Upper Cutter Assembly

DAS
27
9-89

Friday, December 16, 2016 9:04:15 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : ☐					



SUBJECT:
Manufacturing Process Procedure
EC-135 CCK Configuration Management

DOCUMENT NO:
MPP-195
Rev. N/C
12/15/16

Table 20: T3/P3 Cable Cutters Kits

7308	7305	7307	FIND #	PART #	DESCRIPTION	MATERIAL	SPEC
			1	647.7401	UPPER CUTTER ASSY		
1		1	2	647.7501	LOWER CUTTER ASSY		
			3	647.1701	SKID DEFLECTOR ASSY		
	1	1	4	647.1601	WIPER DEFLECTOR ASSY, AFT		
	1	1	5	647.1610	WIPER DEFLECTOR, FWD		
	1	1	6	647.1913	TEE		
	1	1	7	647.1915	SUPPORT ANGLE		
	1	1	8	647.1814	GUSSET, LH		
	1	1	9	647.1815	GUSSET, RH		
2		2	10	647.7702	STRUT ASSY	SHOW COPY RETURN TO ENGINEERING	
2		2	11	647.7701	STRUT ASSY	UNCONTROLLED COPY SUBJECT TO AMENDMENT	
	1	1	12	647.1818	NOSE DOOR SPACER	WITHOUT NOTICE WORK ORDER NO. 154069	
	1	1	13	647.1810	NOSE DOOR DOUBLER	DEC 16 2016 DEC 16 2016	
4		4	14	647.0112	STRUT BRACKET		
	2	2	15	647.7910	ANGLE BACKET		
	2	2	16	647.7911	BRACKET		
	4	4	17	647.7912	CLIP		
	2	2	18	647.7913	DOUBLER		
	1	1	19	647.7914	BRACKET		
	1	1	20	647.7915	BRACKET		
	2	2	21	647.7916	BRACKET		
	1	1	22	647.7917	BRACKET		
	1	1	23	647.7918	BRACKET		
	1	1	24	647.7819	CROSS BRACKET FWD		
			25	647.7820	CROSS BRACKET AFT		
			26	647.7818	MOUNTING CHANNEL		
	1	1	27	647.7821	EYE BOLT FITTING LH		
	1	1	28	647.7822	EYE BOLT FITTING RH		
	1	1	29	647.1914	BRACKET		
	1	1	30	647.1602	DOUBLER ASSY		
	2	2	31	647.1811	SPACER		
	13	13	32	647.1812	SHIM		
			33	647.2510	SLEEVE		
			34	647.2511	NUT		
	1	1	35	647.3201	GROUNDING CABLE ASSY		
A/R	A/R	A/R	36	601.3011	P-SEAL		



SUBJECT:
Manufacturing Process Procedure
EC-135 CCK Configuration Management

DOCUMENT NO:
MPP-195
Rev. N/C
12/15/16

7308	7305	7307	FIND #	PART #	DESCRIPTION	MATERIAL	SPEC
1	1	1	37	601.3007	GROMMET	MS21266-2N	
			38	601.3121	EYE BOLT	AN44-5A	
2		2	39	601.3120	EYE BOLT	AN44-12A	
4		4	40	601.3119	CLEVIS		
	2	2	41	601.3006	CAMLOC RECEPTACLE		
	2	2	42	601.3005	CAMLOC RETAINER		
	2	2	43	601.3004	CAMLOC STUD		
	12	12	44	600.0795	NUTPLATE	MS21047-3	
	2	2	45	601.2823	BOLT	AN3-4A	
4		4	46	601.2826	BOLT	AN3-11A	
	1	1	47	601.1324	BOLT	AN4CH6A	
4		4	48	601.2669	BOLT	AN4C7A	
4		4	49	601.1500	BOLT	NAS6603-12	
4		4	50	601.3130	BOLT	NAS6603-16	
			51	601.3002	BOLT	NAS6604-66	
4	1	5	52	601.2973	LOCKNUT	MS21042-08	
4	31	35	53	601.2943	LOCKNUT	MS21042-3	
4		4	54	601.3209	LOCKNUT	MS21042L4	
4		4	55	601.3128	NUT	AN316C4R	
	20	20	56	647.8510	INSERT		
	4	4	57	647.8511	INSERT		
	2	2	58	647.8512	INSERT		
	4	4	59	601.3127	LOCKNUT	MS21042L5	
	1	1	60	601.2525	SCREW	MS27039-0807	
4		4	61	601.2988	SCREW	MS27039-0813	
			62	601.3137	SCREW	MS27039-816	
	3	3	63	601.2198	SCREW	MS27039-1-07	
	12	12	64	601.3069	SCREW	MS27039-1-09	
	6	6	65	601.1365	SCREW	MS27039-1-10	
	2	2	66	601.1953	SCREW	MS27039-1-12	
	4	4	67	601.1622	SCREW	MS27039-1-14	
	1	1	68	601.3012	SCREW	MS27039-1-15	
	4	4	69	601.2637	SCREW	MS27039-1-16	
	2	2	70	601.1954	SCREW	MS27039-1-17	
	5	5	71	601.2829	SCREW	MS24694S54	
	3	3	72	601.2999	SCREW		
	24	24	73	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
	4	4	74	601.1983	NUTPLATE RIVET	CCR274SS-3-03	



SUBJECT:
Manufacturing Process Procedure
EC-135 CCK Configuration Management

DOCUMENT NO:
MPP-195
Rev. N/C
12/15/16

7308	7305	7307	FIND #	PART #	DESCRIPTION	MATERIAL	SPEC
1	1	1	37	601.3007	GROMMET	MS21266-2N	
			38	601.3121	EYE BOLT	AN44-5A	
2		2	39	601.3120	EYE BOLT	AN44-12A	
4	4	4	40	601.3119	CLEVIS		
	2	2	41	601.3006	CAMLOC RECEPTACLE		
	2	2	42	601.3005	CAMLOC RETAINER		
	2	2	43	601.3004	CAMLOC STUD		
	12	12	44	600.0795	NUTPLATE	MS21047-3	
	2	2	45	601.2823	BOLT	AN3-4A	
4	4	4	46	601.2826	BOLT	AN3-11A	
	1	1	47	601.1324	BOLT	AN4CH6A	
4		4	48	601.2669	BOLT	AN4C7A	
4		4	49	601.1500	BOLT	NAS6603-12	
4		4	50	601.3130	BOLT	NAS6603-16	
			51	601.3002	BOLT	NAS6604-66	
4	1	5	52	601.2973	LOCKNUT	MS21042-08	
4	31	35	53	601.2943	LOCKNUT	MS21042-3	
4		4	54	601.3209	LOCKNUT	MS21042L4	
4		4	55	601.3128	NUT	AN316C4R	
	20	20	56	647.8510	INSERT		
	4	4	57	647.8511	INSERT		
	2	2	58	647.8512	INSERT		
	4	4	59	601.3127	LOCKNUT	MS21042L5	
	1	1	60	601.2525	SCREW	MS27039-0807	
4		4	61	601.2988	SCREW	MS27039-0813	
			62	601.3137	SCREW	MS27039-816	
	3	3	63	601.2198	SCREW	MS27039-1-07	
	12	12	64	601.3069	SCREW	MS27039-1-09	
	6	6	65	601.1365	SCREW	MS27039-1-10	
	2	2	66	601.1953	SCREW	MS27039-1-12	
	4	4	67	601.1622	SCREW	MS27039-1-14	
	1	1	68	601.3012	SCREW	MS27039-1-15	
	4	4	69	601.2637	SCREW	MS27039-1-16	
	2	2	70	601.1954	SCREW	MS27039-1-17	
	5	5	71	601.2829	SCREW	MS24694S54	
	3	3	72	601.2999	SCREW		
	24	24	73	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
	4	4	74	601.1983	NUTPLATE RIVET	CCR274SS-3-03	

Work Order ID 154661***154661***

Page 1

Tuesday, January 03, 2017 2:24:36 PM

Item ID: 647.7308

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop ***NS2***

Item Name: EC135 T3/P3 Cable Cutters (Removable Provisions Only)

Start Date: 1/3/2017 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 1/20/2017 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
MPP-195	N/C

100 Document Control 0.00

100

DC

DOCUMENT CONTROL

Doc.Control -USB or Paperwork

Memo

0.00

Photocopy bluefile & type labels per PPP MPP-195 (647.7308)

DAS
21
3-89

JAN 04 2017

110 Pick Kit 0.00

110

Packaging

Memo

0.00

Packaging

120 QC4- 100% Inspect kits for completeness 0.00

120

QC

Memo

0.00

Quality Control